

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 1      |
| <b>Created By</b> | Group7 |

|                              |                   |
|------------------------------|-------------------|
| <b>Test Case Description</b> | Login to the Game |
|------------------------------|-------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                     |
|---|-----------------------------------|
| 1 | Backend server should be running. |
| 2 |                                   |

| # | Test Data     |
|---|---------------|
| 1 | username: f1  |
| 2 | password: 123 |
| 3 |               |

|                      |   |
|----------------------|---|
| <b>Test Scenario</b> | Verify to be able to login with valid username and password |
|----------------------|---|

| Step | Step Details                | Expected Results                                     | Actual Results | Pass / Fail |
|------|-----------------------------|--|----------------|-------------|
| 1    | Open the application        | Application should open                              | As Expected    | Pass        |
| 2    | Enter username and password | Credential can be entered                            | As Expected    | Pass        |
| 3    | Click Login                 | User should be logged in and arrive to the Main Menu | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 2      |
| <b>Created By</b> | Group7 |

|                              |                      |
|------------------------------|----------------------|
| <b>Test Case Description</b> | Register to the Game |
|------------------------------|----------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                     |
|---|-----------------------------------|
| 1 | Backend server should be running. |
| 2 |                                   |

| # | Test Data     |
|---|---------------|
| 1 | username: f8  |
| 2 | password: 123 |
| 3 |               |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Verify to be able to register with valid username and password |
|----------------------|--|

| Step | Step Details                | Expected Results                          | Actual Results | Pass / Fail |
|------|-----------------------------|---|----------------|-------------|
| 1    | Open the application        | Application should open                   | As Expected    | Pass        |
| 2    | Click Register              | Register screen should be seen            | As Expected    | Pass        |
| 3    | Enter username and password | Credential can be entered                 | As Expected    | Pass        |
| 4    | Click Register              | User should be redirected to Login screen | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 3      |
| <b>Created By</b> | Group7 |

|                              |  |
|------------------------------|--|
| <b>Test Case Description</b> | Fail to Login to The Game with Invalid Credentials |
|------------------------------|--|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                     |
|---|-----------------------------------|
| 1 | Backend server should be running. |
| 2 |                                   |

| # | Test Data          |
|---|--------------------|
| 1 | username: furkan33 |
| 2 | password: 234234   |
| 3 |                    |

|                      |   |
|----------------------|---|
| <b>Test Scenario</b> | Verify to not be able to login with invalid username and password |
|----------------------|---|

| Step | Step Details                | Expected Results   | Actual Results | Pass / Fail |
|------|-----------------------------|--|----------------|-------------|
| 1    | Open the application        | Application should open  | As Expected    | Pass        |
| 2    | Enter username and password | Credential can be entered  | As Expected    | Pass        |
| 3    | Click Login                 | User should be rejected and error message should be seen on Login Page | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 4      |
| <b>Created By</b> | Group7 |

|                              |   |
|------------------------------|---|
| <b>Test Case Description</b> | Fail to Login to The Game due to Backend Connection |
|------------------------------|---|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites |
|---|---------------|
| 1 |               |
| 2 |               |

| # | Test Data          |
|---|--------------------|
| 1 | username: furkan33 |
| 2 | password: 234234   |

|                      |   |
|----------------------|---|
| <b>Test Scenario</b> | Verify to not be able to login without backend connection |
|----------------------|---|

| Step | Step Details                | Expected Results                                      | Actual Results | Pass / Fail |
|------|-----------------------------|---|----------------|-------------|
| 1    | Open the application        | Application should open                               | As Expected    | Pass        |
| 2    | Enter username and password | Credential can be entered                             | As Expected    | Pass        |
| 3    | Click Login                 | Network connection error should be seen on Login Page | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 5      |
| <b>Created By</b> | Group7 |

|                              |   |
|------------------------------|---|
| <b>Test Case Description</b> | Fail to Register to the Game with Invalid Credentials |
|------------------------------|---|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                     |
|---|-----------------------------------|
| 1 | Backend server should be running. |
| 2 |                                   |

| # | Test Data     |
|---|---------------|
| 1 | username: f1  |
| 2 | password: 123 |
| 3 |               |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Verify not to be able to register with invalid username and password |
|----------------------|--|

| Step | Step Details                | Expected Results  | Actual Results | Pass / Fail |
|------|-----------------------------|---|----------------|-------------|
| 1    | Open the application        | Application should open                                   | As Expected    | Pass        |
| 2    | Click Register              | Register screen should be seen                            | As Expected    | Pass        |
| 3    | Enter username and password | Credential can be entered                                 | As Expected    | Pass        |
| 4    | Click Register              | Invalid user name error should be seen on register screen | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 6      |
| <b>Created By</b> | Group7 |

|                              |  |
|------------------------------|--|
| <b>Test Case Description</b> | Fail to Register to the Game due to Backend Connection |
|------------------------------|--|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites |
|---|---------------|
| 1 |               |
| 2 |               |

| # | Test Data     |
|---|---------------|
| 1 | username: f1  |
| 2 | password: 123 |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Verify not to be able to register without running backend server |
|----------------------|--|

| Step | Step Details                | Expected Results   | Actual Results | Pass / Fail |
|------|-----------------------------|--|----------------|-------------|
| 1    | Open the application        | Application should open                                    | As Expected    | Pass        |
| 2    | Click Register              | Register screen should be seen                             | As Expected    | Pass        |
| 3    | Enter username and password | Credential can be entered                                  | As Expected    | Pass        |
| 4    | Click Register              | Network connection error should be seen on register screen | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 7      |
| <b>Created By</b> | Group7 |

|                              |                       |
|------------------------------|-----------------------|
| <b>Test Case Description</b> | Accessing Game Screen |
|------------------------------|-----------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites              |
|---|----------------------------|
| 1 | User should be logged in.  |
| 2 | User should be in MainMenu |

| # | Test Data     |
|---|---------------|
| 1 | username: f1  |
| 2 | password: 123 |
| 3 |               |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Try to access to the Game screen by clicking Play from main menu |
|----------------------|--|

| Step | Step Details  | Expected Results                    | Actual Results | Pass / Fail |
|------|---------------|-------------------------------------|----------------|-------------|
| 1    | Click on Play | User should be see that game starts | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 8      |
| <b>Created By</b> | Group7 |

|                              |                       |
|------------------------------|-----------------------|
| <b>Test Case Description</b> | Accessing LeaderBoard |
|------------------------------|-----------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                     |
|---|-----------------------------------|
| 1 | Backend server should be running. |
| 2 | User should be logged in          |
| 3 | User should be in MainMenu        |

| # | Test Data     |
|---|---------------|
| 1 | username: f1  |
| 2 | password: 123 |
| 3 |               |
| 4 |               |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Try to access to the LeaderBoard screen by clicking leaderboard from main menu |
|----------------------|--|

| Step | Step Details         | Expected Results                        | Actual Results | Pass / Fail |
|------|----------------------|---|----------------|-------------|
| 1    | Click on Leaderboard | User should be see the leaderboard page | As Expected    | Pass        |



|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 9      |
| <b>Created By</b> | Group7 |

|                              |             |
|------------------------------|-------------|
| <b>Test Case Description</b> | Logging out |
|------------------------------|-------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites              |
|---|----------------------------|
| 1 | User should be logged in.  |
| 2 | User should be in MainMenu |

| # | Test Data     |
|---|---------------|
| 1 | username: f1  |
| 2 | password: 123 |
| 3 |               |

|                      |   |
|----------------------|---|
| <b>Test Scenario</b> | Try to log out from current player by clicking Log out from main menu |
|----------------------|---|

| Step | Step Details  | Expected Results  | Actual Results | Pass / Fail |
|------|---------------|---|----------------|-------------|
| 1    | Click on Play | User should be logged out successfully and Login Page should be seen. | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 10     |
| <b>Created By</b> | Group7 |

|                              |  |
|------------------------------|--|
| <b>Test Case Description</b> | Changing Page Limit inside the Leaderboard |
|------------------------------|--|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                 |
|---|-------------------------------|
| 1 | User should be logged in.     |
| 2 | User should be in Leaderboard |

| # | Test Data     |
|---|---------------|
| 1 | username: f1  |
| 2 | password: 123 |
| 3 |               |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Try to change number of the records shown on the Leaderboard |
|----------------------|--|

| Step | Step Details  | Expected Results   | Actual Results | Pass / Fail |
|------|---|--|----------------|-------------|
| 1    | Click and select different Page Limit from Page Limit Dropdown Menu | Records should be updated with corresponding page limit. | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 11     |
| <b>Created By</b> | Group7 |

|                              |  |
|------------------------------|--|
| <b>Test Case Description</b> | Changing Time Range inside the Leaderboard |
|------------------------------|--|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                 |
|---|-------------------------------|
| 1 | User should be logged in.     |
| 2 | User should be in Leaderboard |

| # | Test Data     |
|---|---------------|
| 1 | username: f1  |
| 2 | password: 123 |
| 3 |               |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Try to change the records shown on the Leaderboard with specified time range |
|----------------------|--|

| Step | Step Details  | Expected Results  | Actual Results | Pass / Fail |
|------|---|---|----------------|-------------|
| 1    | Click and select different Time Range from Time Range Dropdown Menu | Records should be updated with corresponding time range such as last week, last month or all. | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 12     |
| <b>Created By</b> | Group7 |

|                              |                         |
|------------------------------|-------------------------|
| <b>Test Case Description</b> | Going Back to Main Menu |
|------------------------------|-------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                 |
|---|-------------------------------|
| 1 | User should be logged in.     |
| 2 | User should be in Leaderboard |

| # | Test Data     |
|---|---------------|
| 1 | username: f1  |
| 2 | password: 123 |
| 3 |               |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Try to go back to the Main Menu from the Leaderboard |
|----------------------|--|

| Step | Step Details      | Expected Results          | Actual Results | Pass / Fail |
|------|-------------------|---------------------------|----------------|-------------|
| 1    | Click Back Button | Main Menu should be seen. | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 13     |
| <b>Created By</b> | Group7 |

|                              |  |
|------------------------------|--|
| <b>Test Case Description</b> | Fail to retrieve Leaderboard due to Backend Connection |
|------------------------------|--|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites               |
|---|-----------------------------|
| 1 | User should be logged in.   |
| 2 | User should be in Main Menu |

| # | Test Data     |
|---|---------------|
| 1 | username: f1  |
| 2 | password: 123 |
| 3 |               |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Verify not to be able to retrieve leaderboard without running backend server |
|----------------------|--|

| Step | Step Details             | Expected Results             | Actual Results | Pass / Fail |
|------|--------------------------|------------------------------|----------------|-------------|
| 1    | Click Leaderboard button | Leaderboard should be empty. | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 14     |
| <b>Created By</b> | Group7 |

|                              |                               |
|------------------------------|-------------------------------|
| <b>Test Case Description</b> | EndOfGameScreen - Player Dead |
|------------------------------|-------------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

|          |  |
|----------|--|
| <b>#</b> | <b>Prerequisites</b>                         |
| 1        | Player should be dead while playing the game |

|          |                  |
|----------|------------------|
| <b>#</b> | <b>Test Data</b> |
| 1        |                  |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | When player died and EndOfGameScreen opened text should be "Oops!" |
|----------------------|--|

| Step | Step Details       | Expected Results                            | Actual Results | Pass / Fail |
|------|--------------------|---|----------------|-------------|
| 1    | Automatic redirect | End Game screen should contain "Oops!" text | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 15     |
| <b>Created By</b> | Group7 |

|                              |                               |
|------------------------------|-------------------------------|
| <b>Test Case Description</b> | EndOfGameScreen - Player Wins |
|------------------------------|-------------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites  |
|---|--|
| 1 | Last enemy should be dead on last level and player's health should be more than 0. |

| # | Test Data |
|---|-----------|
| 1 |           |

|                      |   |
|----------------------|---|
| <b>Test Scenario</b> | When player succeed at last level EndOfGameScreen text should be "Congratulation" |
|----------------------|---|

| Step | Step Details       | Expected Results                                     | Actual Results | Pass / Fail |
|------|--------------------|--|----------------|-------------|
| 1    | Automatic redirect | End Game screen should contain "Congratulation" text | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 16     |
| <b>Created By</b> | Group7 |

|                              |   |
|------------------------------|---|
| <b>Test Case Description</b> | EndOfGameScreen - (Try/Play) Again Button |
|------------------------------|---|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

|          |                                      |
|----------|--------------------------------------|
| <b>#</b> | <b>Prerequisites</b>                 |
| 1        | EndOfTheGame Screen should be loaded |

|          |                  |
|----------|------------------|
| <b>#</b> | <b>Test Data</b> |
| 1        |                  |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | When player clicks the (Try/Play) Again button game should be start from level 1 |
|----------------------|--|

|             |                                   |                         |                       |                    |
|-------------|-----------------------------------|-------------------------|-----------------------|--------------------|
| <b>Step</b> | <b>Step Details</b>               | <b>Expected Results</b> | <b>Actual Results</b> | <b>Pass / Fail</b> |
| 1           | Click the (Try/Play) Again Button | Opening of new game     | As Expected           | Pass               |



|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 17     |
| <b>Created By</b> | Group7 |

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Test Case Description</b> | EndOfGameScreen - Go to Menu Button |
|------------------------------|-------------------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                        |
|---|--------------------------------------|
| 1 | EndOfTheGame Screen should be loaded |

| # | Test Data |
|---|-----------|
| 1 |           |

|                      |   |
|----------------------|---|
| <b>Test Scenario</b> | When player clicks the Go to Menu button MainMenuScreen should be loaded. |
|----------------------|---|

| Step | Step Details                | Expected Results                  | Actual Results | Pass / Fail |
|------|-----------------------------|-----------------------------------|----------------|-------------|
| 1    | Click the Go to Menu Button | User should be see MainMenuScreen | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 18     |
| <b>Created By</b> | Group7 |

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Test Case Description</b> | EndOfGameScreen - Go to Leaderboard |
|------------------------------|-------------------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                        |
|---|--------------------------------------|
| 1 | EndOfTheGame Screen should be loaded |

| # | Test Data |
|---|-----------|
| 1 |           |

|                      |   |
|----------------------|---|
| <b>Test Scenario</b> | When player clicks the Go to Leaderboard button LeaderBoardScreen should be loaded. |
|----------------------|---|

| Step | Step Details                | Expected Results                     | Actual Results | Pass / Fail |
|------|-----------------------------|--------------------------------------|----------------|-------------|
| 1    | Click the Go to Leaderboard | User should be see LeaderBoardScreen | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 19     |
| <b>Created By</b> | Group7 |

|                              |   |
|------------------------------|---|
| <b>Test Case Description</b> | Using cheat combination at MainMenuScreen |
|------------------------------|---|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                   |
|---|---------------------------------|
| 1 | MainMenuScreen should be loaded |
| 2 |                                 |

| # | Test Data |
|---|-----------|
| 1 |           |
| 2 |           |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Using cheat combination outside the GameScreen should not cause any error. |
|----------------------|--|

| Step | Step Details                               | Expected Results            | Actual Results | Pass / Fail |
|------|--|-----------------------------|----------------|-------------|
| 1    | Pressing CTRL + SHIFT + 9 at the same time | Nothing should be happened. | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 20     |
| <b>Created By</b> | Group7 |

|                              |  |
|------------------------------|--|
| <b>Test Case Description</b> | Using cheat combination at EndOfGameScreen |
|------------------------------|--|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                    |
|---|----------------------------------|
| 1 | EndOfGameScreen should be loaded |
| 2 |                                  |

| # | Test Data |
|---|-----------|
| 1 |           |
| 2 |           |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Using cheat combination outside the GameScreen should not cause any error. |
|----------------------|--|

| Step | Step Details                               | Expected Results            | Actual Results | Pass / Fail |
|------|--|-----------------------------|----------------|-------------|
| 1    | Pressing CTRL + SHIFT + 9 at the same time | Nothing should be happened. | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 21     |
| <b>Created By</b> | Group7 |

|                              |                                    |
|------------------------------|------------------------------------|
| <b>Test Case Description</b> | Using cheat combination at Level 1 |
|------------------------------|------------------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                     |
|---|-----------------------------------|
| 1 | GameScreen should be loaded       |
| 2 | Player should be alive at Level 1 |

| # | Test Data |
|---|-----------|
| 1 |           |
| 2 |           |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Using cheat combination at Level 1 should make user to pass that level instantly |
|----------------------|--|

| Step | Step Details                               | Expected Results         | Actual Results | Pass / Fail |
|------|--|--------------------------|----------------|-------------|
| 1    | Pressing CTRL + SHIFT + 9 at the same time | Level 2 should be loaded | As Expected    | Pass        |

\*Being alive means having more than 1 Health

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 22     |
| <b>Created By</b> | Group7 |

|                              |                                    |
|------------------------------|------------------------------------|
| <b>Test Case Description</b> | Using cheat combination at Level 2 |
|------------------------------|------------------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                     |
|---|-----------------------------------|
| 1 | GameScreen should be loaded       |
| 2 | Player should be alive at Level 2 |

| # | Test Data |
|---|-----------|
| 1 |           |
| 2 |           |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Using cheat combination at Level 2 should make user to pass that level instantly |
|----------------------|--|

| Step | Step Details                               | Expected Results         | Actual Results | Pass / Fail |
|------|--|--------------------------|----------------|-------------|
| 1    | Pressing CTRL + SHIFT + 9 at the same time | Level 3 should be loaded | As Expected    | Pass        |

\*Being alive means having more than 1 Health

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 23     |
| <b>Created By</b> | Group7 |

|                              |                                    |
|------------------------------|------------------------------------|
| <b>Test Case Description</b> | Using cheat combination at Level 3 |
|------------------------------|------------------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                     |
|---|-----------------------------------|
| 1 | GameScreen should be loaded       |
| 2 | Player should be alive at Level 3 |

| # | Test Data |
|---|-----------|
| 1 |           |
| 2 |           |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Using cheat combination at Level 3 should make user to pass that level instantly |
|----------------------|--|

| Step | Step Details                               | Expected Results         | Actual Results | Pass / Fail |
|------|--|--------------------------|----------------|-------------|
| 1    | Pressing CTRL + SHIFT + 9 at the same time | Level 4 should be loaded | As Expected    | Pass        |

\*Being alive means having more than 1 Health

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 24     |
| <b>Created By</b> | Group7 |

|                              |                                    |
|------------------------------|------------------------------------|
| <b>Test Case Description</b> | Using cheat combination at Level 4 |
|------------------------------|------------------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites                     |
|---|-----------------------------------|
| 1 | GameScreen should be loaded       |
| 2 | Player should be alive at Level 4 |

| # | Test Data |
|---|-----------|
| 1 |           |
| 2 |           |

|                      |   |
|----------------------|---|
| <b>Test Scenario</b> | Using cheat combination at Level 4 should make user to pass that level instantly and opens the EndOfGame Screen |
|----------------------|---|

| Step | Step Details                               | Expected Results  | Actual Results | Pass / Fail |
|------|--|---|----------------|-------------|
| 1    | Pressing CTRL + SHIFT + 9 at the same time | EndOfGameScreen should be loaded with "Congratulation" text | As Expected    | Pass        |

\*Being alive means having more than 1 Health



|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 25     |
| <b>Created By</b> | Group7 |

|                              |                |
|------------------------------|----------------|
| <b>Test Case Description</b> | Move Spaceship |
|------------------------------|----------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

|          |                             |
|----------|-----------------------------|
| <b>#</b> | <b>Prerequisites</b>        |
| 1        | GameScreen should be loaded |

|          |                  |
|----------|------------------|
| <b>#</b> | <b>Test Data</b> |
| 1        |                  |

|                      |                                   |
|----------------------|-----------------------------------|
| <b>Test Scenario</b> | Try to move spaceship using mouse |
|----------------------|-----------------------------------|

| Step | Step Details             | Expected Results                                    | Actual Results | Pass / Fail |
|------|--------------------------|---|----------------|-------------|
| 1    | Move mouse on GameScreen | Spaceship on the screen should move where mouse is. | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 26     |
| <b>Created By</b> | Group7 |

|                              |                               |
|------------------------------|-------------------------------|
| <b>Test Case Description</b> | Move Spaceship using Keyboard |
|------------------------------|-------------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

|          |                             |
|----------|-----------------------------|
| <b>#</b> | <b>Prerequisites</b>        |
| 1        | GameScreen should be loaded |

|          |                  |
|----------|------------------|
| <b>#</b> | <b>Test Data</b> |
| 1        |                  |

|                      |                                      |
|----------------------|--------------------------------------|
| <b>Test Scenario</b> | Try to move spaceship using keyboard |
|----------------------|--------------------------------------|

|             |                              |                         |                       |                    |
|-------------|------------------------------|-------------------------|-----------------------|--------------------|
| <b>Step</b> | <b>Step Details</b>          | <b>Expected Results</b> | <b>Actual Results</b> | <b>Pass / Fail</b> |
| 1           | Press Keyboard on GameScreen | Nothing should happen.  | As Expected           | Pass               |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 27     |
| <b>Created By</b> | Group7 |

|                              |             |
|------------------------------|-------------|
| <b>Test Case Description</b> | Player Dies |
|------------------------------|-------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

|          |                             |
|----------|-----------------------------|
| <b>#</b> | <b>Prerequisites</b>        |
| 1        | GameScreen should be loaded |

|          |                  |
|----------|------------------|
| <b>#</b> | <b>Test Data</b> |
| 1        |                  |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Try to get hit by alien bullets five times |
|----------------------|--|

| Step | Step Details                                     | Expected Results                                     | Actual Results | Pass / Fail |
|------|--|--|----------------|-------------|
| 1    | Hit Alien bullet by moving spaceship using mouse | Game should stop and EndofGameScreen should be seen. | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 28     |
| <b>Created By</b> | Group7 |

|                              |                             |
|------------------------------|-----------------------------|
| <b>Test Case Description</b> | Getting Hit by Alien Bullet |
|------------------------------|-----------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

|          |                             |
|----------|-----------------------------|
| <b>#</b> | <b>Prerequisites</b>        |
| 1        | GameScreen should be loaded |

|          |                  |
|----------|------------------|
| <b>#</b> | <b>Test Data</b> |
| 1        |                  |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Try to get hit by alien bullet using mouse |
|----------------------|--|

| Step | Step Details                                     | Expected Results  | Actual Results | Pass / Fail |
|------|--|---|----------------|-------------|
| 1    | Hit Alien bullet by moving spaceship using mouse | Health of the player should decrease and it's value should be updated on the GameScreen | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 29     |
| <b>Created By</b> | Group7 |

|                              |            |
|------------------------------|------------|
| <b>Test Case Description</b> | Kill Alien |
|------------------------------|------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

|          |                             |
|----------|-----------------------------|
| <b>#</b> | <b>Prerequisites</b>        |
| 1        | GameScreen should be loaded |

|          |                  |
|----------|------------------|
| <b>#</b> | <b>Test Data</b> |
| 1        |                  |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> | Try to hit the alien with bullets until it is dead |
|----------------------|--|

| Step | Step Details  | Expected Results  | Actual Results | Pass / Fail |
|------|---|---|----------------|-------------|
| 1    | Hit Alien by bullets fired by spaceship using mouse | Score of the player should increase on screen and alien should be removed from the GameScreen | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 30     |
| <b>Created By</b> | Group7 |

|                              |                        |
|------------------------------|------------------------|
| <b>Test Case Description</b> | Finish all four levels |
|------------------------------|------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

|          |                             |
|----------|-----------------------------|
| <b>#</b> | <b>Prerequisites</b>        |
| 1        | GameScreen should be loaded |

|          |                  |
|----------|------------------|
| <b>#</b> | <b>Test Data</b> |
| 1        |                  |

|                      |   |
|----------------------|---|
| <b>Test Scenario</b> | Try to finish all four levels on the game |
|----------------------|---|

| Step | Step Details                | Expected Results                  | Actual Results | Pass / Fail |
|------|-----------------------------|-----------------------------------|----------------|-------------|
| 1    | Kill every alien on level 1 | Level 2 should be loaded.         | As Expected    | Pass        |
| 2    | Kill every alien on level 2 | Level 3 should be loaded.         | As Expected    | Pass        |
| 3    | Kill every alien on level 3 | Level 4 should be loaded.         | As Expected    | Pass        |
| 4    | Kill every alien on level 4 | EndofGameScreen should be loaded. | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  | 31     |
| <b>Created By</b> | Group7 |

|                              |                            |
|------------------------------|----------------------------|
| <b>Test Case Description</b> | Pass level 1 without dying |
|------------------------------|----------------------------|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

|          |                             |
|----------|-----------------------------|
| <b>#</b> | <b>Prerequisites</b>        |
| 1        | GameScreen should be loaded |

|          |                  |
|----------|------------------|
| <b>#</b> | <b>Test Data</b> |
| 1        |                  |

|                      |                                     |
|----------------------|-------------------------------------|
| <b>Test Scenario</b> | Try to finish level 1 without dying |
|----------------------|-------------------------------------|

| Step | Step Details                   | Expected Results  | Actual Results | Pass / Fail |
|------|--------------------------------|---|----------------|-------------|
| 1    | Kill every alien on level<br>1 | Level 2 should be loaded and Level should be increased on screen. | As Expected    | Pass        |

|                   |        |
|-------------------|--------|
| <b>Test Case</b>  |        |
| <b>Created By</b> | Group7 |

|                              |  |
|------------------------------|--|
| <b>Test Case Description</b> |  |
|------------------------------|--|

|                      |        |                  |           |                             |      |
|----------------------|--------|------------------|-----------|-----------------------------|------|
| <b>Tester's Name</b> | Group7 | <b>Test Date</b> | 4/27/2020 | <b>Test Case(Pass/Fail)</b> | Pass |
|----------------------|--------|------------------|-----------|-----------------------------|------|

| # | Prerequisites |
|---|---------------|
| 1 |               |
| 2 |               |
| 3 |               |
| 4 |               |
| 5 |               |

| # | Test Data |
|---|-----------|
| 1 |           |
| 2 |           |
| 3 |           |
| 4 |           |
| 5 |           |

|                      |  |
|----------------------|--|
| <b>Test Scenario</b> |  |
|----------------------|--|

| Step | Step Details | Expected Results | Actual Results | Pass / Fail |
|------|--------------|------------------|----------------|-------------|
| 1    |              |                  |                | Pass        |
| 2    |              |                  |                |             |
| 3    |              |                  |                |             |
| 4    |              |                  |                |             |
| 5    |              |                  |                |             |
| 6    |              |                  |                |             |